Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) Method for determining [[the]] a contour of a recess in a piece of material, which recess is worked into the material by means of a tool, ~~in particular in a piece of bone, wherein the~~ comprising:

establishing a position of the piece of material in space ~~is established~~ by a navigation system,

establishing a [[the]] position of the tool in space ~~is established~~ by [[a]] the navigation system,

determining [[the]] a respective position of the tool in relation to the piece of material ~~is determined~~ from [[the]] position data obtained ~~in this manner~~ by the navigation system,

storing, during [[the]] machining of the piece of material with the tool to prepare the contour of the recess, [[the]] relative positions of the tool in relation to the piece of material, ~~are stored~~ and

determining the prepared contour of the recess on the piece of material ~~is determined~~ from extreme values of ~~these~~ the relative positions with respect to a fixed reference position of the piece of material.

2. (Original) Method according to Claim 1, wherein the prepared contour is visually displayed.

3. (Currently amended) Method according to Claim 1, wherein [[the]] differences of the prepared contour of the ~~prepared~~ recess ~~determined in this manner~~ from a predetermined contour is determined at different locations of the prepared contour.

4. (Currently amended) Method according to Claim 3, wherein the differences determined ~~in this manner~~ at different locations of the prepared ~~recess~~ contour are visually displayed.

5. (Currently amended) Method according to Claim 4, wherein the same differences at different locations of the prepared ~~recess~~ contour are displayed in the same manner.

6. (Currently amended) Method according to Claim 5, wherein the same differences are displayed in the same ~~colour~~ color.

7. (Currently amended) Method according to Claim 2, wherein an image of the piece of material is superposed on [[the]] an image of the prepared contour of the recess or an image of [[the]] detected differences between a predetermined contour and the prepared contour.

8. (Currently amended) Method according to Claim 5, wherein an image of the piece of material is superposed on [[the]] an image of the prepared contour of the recess or an image of [[the]] detected differences between the predetermined contour and the prepared contour.

9. (Currently amended) Method according to claim 1, wherein ~~from the determined extreme values of the relative position,~~ a warning signal is generated when ~~these~~ the extreme values exceed specific given maximum values.

10. (Currently amended) Device for determining [[the]] a contour of a recess in a piece of material, comprising: [[with]]

a tool for working the contour into the piece of material,

marking elements connected to ~~wherein~~ the piece of material and the tool ~~are respectively firmly connected to a marking element a stationary navigation system is provided~~,

a stationary navigation system for establishing respective ~~which establishes the~~ positions of the ~~two~~ marking elements and thus [[the]] a position of the piece of material and [[the]] a

position of the tool in space,

an arithmetic unit with memory ~~is provided~~, which from [[the]] position data obtained from the navigation system, ~~in this manner~~ determines [[the]] a respective position of the tool in relation to the piece of material, stores [[the]] relative positions of the tool in relation to the piece of material during machining of the piece of material by the tool to prepare the contour of the recess, and determines the prepared contour of the recess on the piece of material from extreme values of ~~these~~ the relative positions with respect to a fixed reference position of the piece of material.

11. (Original) Device according to Claim 10, wherein a display device is provided which visually displays the prepared contour.

12. (Currently amended) Device according to Claim 10, wherein the arithmetic unit with memory determines [[the]] differences of the prepared contour of the ~~prepared~~ recess ~~determined in this manner~~ from a predetermined contour at different locations of the prepared contour.

13. (Currently amended) Device according to Claim 12, wherein the arithmetic unit with memory visually displays the differences ~~determined in this manner~~ at different locations of the prepared ~~recess~~ contour.

14. (Currently amended) Device according to Claim 13, wherein the arithmetic unit with memory displays the same differences at different locations of the prepared ~~recess~~ contour in the same manner.

15. (Currently amended) Device according to Claim 14, wherein the arithmetic unit with memory displays the same differences in the same ~~colour~~ color.

16. (Currently amended) Device according to Claim 10, wherein the arithmetic unit with memory

superposes an image of the piece of material on [[the]] an image of the prepared contour of the recess or an image of [[the]] detected differences between a predetermined contour and the prepared contour.

17. (Currently amended) Device according to Claim 12, wherein the arithmetic unit with memory superposes an image of the piece of material on [[the]] an image of the prepared contour of the recess or an image of [[the]] detected differences between the predetermined contour and the prepared contour.

18. (Currently amended) Device according to Claim 10, wherein ~~from the determined extreme values of the relative position,~~ the arithmetic unit with memory generates a warning signal when ~~these~~ the extreme values exceed specific given maximum values.